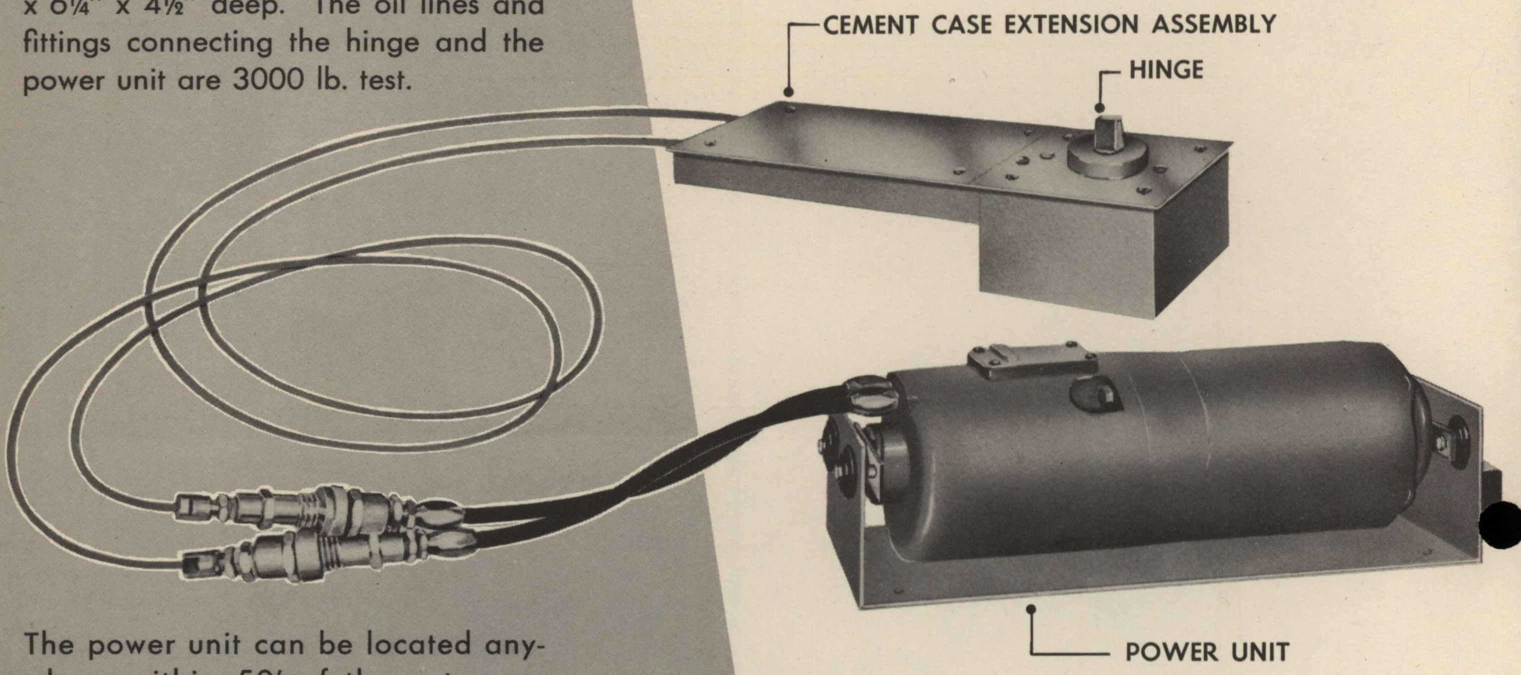
THE
PITTCOMATIC HINGE

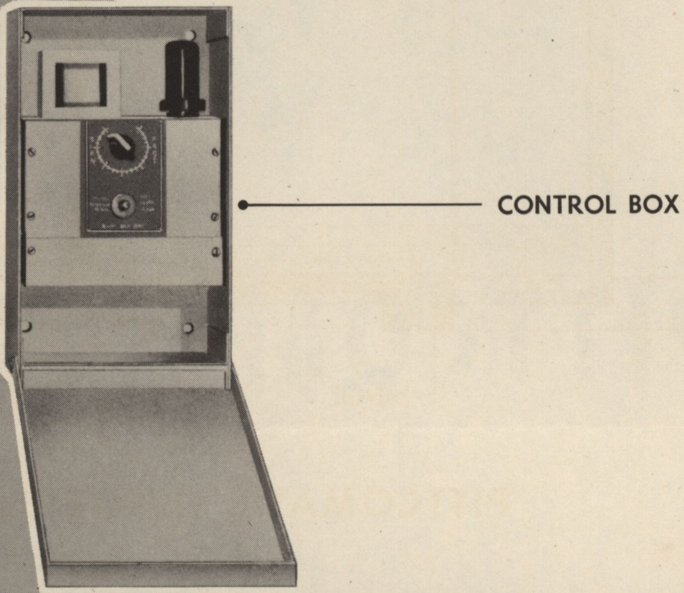
THE NATIONS FINEST
AUTOMATIC DOOR OPENER

PITTSBURGH PLATE GLASS CO.

The Pittcomatic Hinge is a development of the Pittco hinge. The hinge unit has an extension case for the line connections. This compact unit is only $17\frac{5}{16}''$ x 6¼″ x 4½″ deep. The oil lines and fittings connecting the hinge and the power unit are 3000 lb. test.



The power unit can be located anywhere within 50′ of the entrance. One unit is required for each door. The size of the power unit is 22¼″ x 6½″ x 7¼″ high.



The control box contains a timer which can be set to hold the door open any desired number of seconds. Only 110 volt wiring is required from the building current to the control box and power unit. Dimensions of control box 7″ x 12½″ x 4¼″ deep.

DESCRI

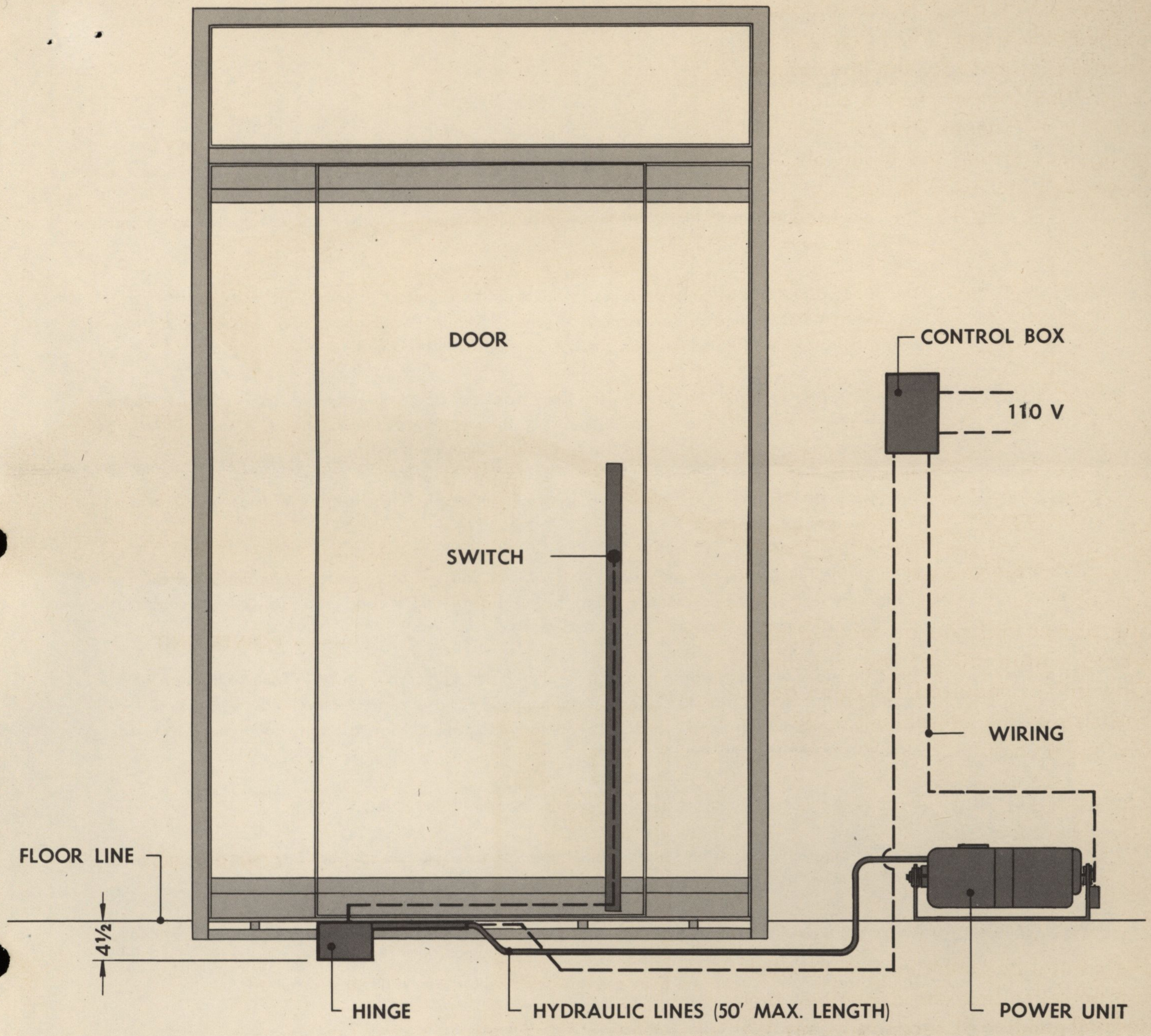
The Pittcomatic hinge is a development of the Pittco hinge, the finest checking floor hinge ever manufactured.

This development was possible for two reasons. First because in the manually operated Pittco hinge the action of the door is controlled by a large piston exerting pressure against oil. So without any basic change in design, we reverse the action, put oil pressure on the piston by means of a motor drum oil pump and open the door.

Secondly the materials in the Pittco hinge and the machining of it were of the extremely high standard needed for a rugged automatic door opener.

The Pittcomatic hinge opens the door with hydraulic power which means soft, smooth controlled power.

The Pittcomatic hinge is only slightly larger than the conventional manually operated floor hinge. It can be installed in the floor with little more effort.



PITTCOMATIC HINGE INSTALLATION

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About the only difference is running the hydraulic lines to the power unit that can be located in the basement, under a show window floor or any place within fifty feet of the door (⅜″ lines are used up to 30′, ½″ lines up to 50′).

The door handles contain a concealed 10-volt switch so that with the slightest touch the door starts to open. It will open either with a push or pull on the handle, and may function as a double-acting door.

By a simple adjustment of the mechanics in the control box, the door can be set to open ahead of the pedestrian after initial contact with the door handle, or it can be set so that a slight continuous pressure is necessary on the handle. The mechanism can also be adjusted so that any desired amount of pressure and speed of opening can be maintained.

The door closes on a normal cycle, and if only partly closed before the next pedestrian passes through, it immediately starts to open again when the push bar is touched.

ADVANTAGES

COSTS LESS	The complete Pittcomatic hinge assembly costs much less than any other automatic door opener on the market.
ARCHITECTURE	The use of a Pittcomatic hinge imposes no limits on the architect's design. The door can be located and designed the same as for manual operation, double or single acting, one or a battery of doors. Entrances with Pittcomatic hinges can be flush with the building line.
SAFETY	Since the opening force is hydraulic, the door does not open violently and can easily be stopped at any point on its arc. There is no more force than when opened by hand. A relief valve does not permit the pressure to build up. These factors eliminate hazards.
DEPENDABILITY	The Pittcomatic hinge works on a simple hydraulic principle. Once set it operates without periodic servicing and adjustments.
DOUBLE ACTING FEATURE	Because the Pittcomatic unit may be double acting, and will open smoothly in either direction with a slight push or pull on the handle, it can be used on a single door entrance. Unless actual traffic conditions demand, two doors are not necessary.
ADJUSTMENT	The Pittcomatic hinge, in addition to the regular Pittco adjustable features for closing, has a timer, located in the control box, to adjust the opening speed, and regulate the hold-open time. A switch in the control box can be set to start the motor automatically, or to run it continuously, depending on traffic conditions.
SILENT OPERATION	Because the unit is hydraulic, the door opens smoothly and silently.
UNIT SIZE	The Pittcomatic hinge is the smallest and most compact unit on the market, measuring 17 5/16″ by 6 1/4″ by 4 1/2″ deep.
INSTALLATION	The hinge is set in the floor with little more effort than used in setting any checking floor hinge.
SEALED UNIT	The hydraulic equipment and lines are thoroughly filled. No refilling is required.
MAINTENANCE	The power unit can be removed for maintenance without disturbing the door or hinge. This allows the door to operate under the normal Pittco hinge cycle should the power unit need servicing.
NEXPENSIVE OPERATION	The Pittcomatic hinge can be operated as inexpensively as a conventional home refrigerator.
INDIVIDUAL OPERATION	Each door operates on its own independent power unit. Consequently operation of one door in a battery can be discontinued without interrupting operation of the others.
BUILDING CODE	A fact of interest to Building Code officials is that with the current off, as in the case of an emergency, the Pittcomatic operated door can be operated manually, in the normal manner of any door.
WIND	The Pittcomatic is the first real answer to the problem of doors which are hard to open on account of wind, or draft within the building. The hydraulic power takes care of this condition easily and smoothly. For the first time it is even possible to have double acting doors under these conditions.

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